

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3686	virtual\$4 same (user or application) same (isolat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/30 14:54
L2	482	virtual\$4 with (user or application) with (isolat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/30 14:54
L3	232	virtual\$4 same (user or application) same (isolat\$3) same resource	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/30 15:56
L4	41	virtual\$4 with (user or application) with (isolat\$3) with resource	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/30 15:17

## EAST Search History

L6	66	"5838910".pn. "5838916".pn. "5915085".pn. "6065043".pn. "6115741".pn. "6144992".pn. "6240442".pn. "6292827".pn. "6311221".pn. "6374402".pn. "6453334".pn. "6574618".pn. "6598125".pn. "6757894".pn. "6763370".pn. "6779179".pn. "6854009".pn. "6918113".pn. "6938096".pn. "6959320".pn. "7017188".pn. "7028305".pn. "20010047386".pn. "20020010808". pn. "20020042833".pn. "20020078203".pn. "20020080170". pn. "20020083183".pn. "20020087717".pn. "20020087883". pn. "20020091763".pn. "20020138640".pn. "20020156911". pn. "20020161908".pn. "20020174215".pn. "20030004882". pn. "20030009538".pn. "20030056112".pn. "20030101292". pn. "20030115458".pn. "20030140160".pn. "20030233489". pn. "20030233490".pn. "20030233647".pn. "20040045016". pn. "20040128346".pn. "20040230971".pn. "20040268361". pn. "20050010670".pn. "20050021613".pn. "20050091511". pn. "20050091534".pn. "20050114870".pn. "20050169073". pn. "20050172279".pn. "20050193139".pn. "20050198239". pn. "20050246704".pn. "20050257265".pn. "20050257266". pn. "20060020858".pn. "20060020937".pn. "20060031165". pn. "20060036570".pn. "20060053228".pn. "20050165853". pn.	US-PGPUB; USPAT	OR	ON	2006/12/30 15:23
L7	21	l6 and isolat\$4	US-PGPUB; USPAT	OR	ON	2006/12/30 15:22
L8	0	l6 and l4	US-PGPUB; USPAT	OR	ON	2006/12/30 15:23

## EAST Search History

L9	20	(US-20050091214-\$ or US-20050149726-\$ or US-20050091658-\$ or US-20050091535-\$ or US-20030191867-\$ or US-20060036570-\$ or US-20050246704-\$ or US-20050172279-\$ or US-20050114870-\$ or US-20040268361-\$ or US-20040045016-\$ or US-20020174215-\$).did. or (US-6938247-\$ or US-6901586-\$ or US-6851114-\$ or US-6724875-\$ or US-6567974-\$ or US-6557168-\$ or US-7028305-\$ or US-5915085-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/12/30 15:52
L10	11	l9 and l4	US-PGPUB; USPAT	OR	OFF	2006/12/30 15:52
L11	9	l9 not l4	US-PGPUB; USPAT	OR	OFF	2006/12/30 15:52
L12	101	virtual\$4 same (user or application) same (isolat\$3) same context	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/30 15:57
L13	32	virtual\$4 with (user or application) with (isolat\$3) with context	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/30 15:57
L14	21	l13 not l4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/30 15:57

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[G Czajkowski](#)

[A Whitaker](#)

[T Garfinkel](#)

[X Jiang](#)

[D Engler](#)

**Application isolation in the Java Virtual Machine - group of 5 »**

G Czajkowski - Proceedings of the 15th ACM SIGPLAN conference on Object- ..., 2000 - portal.acm.org

... **Isolation** alone does not prevent denial-of-service ... The Sun Microsystems Laboratories'

**Virtual Machine** for Research ... 27]: db is a database **application**; jack is ...

Cited by 42 - Related Articles - Web Search - BL Direct

**Application and analysis of the virtual machine approach to information system security and**

SE Madnick, JJ Donovan - ... of the workshop on **virtual** computer systems table of ..., 1973 - portal.acm.org

... can provide **Isolation** security. OS/360, for example, uses the ... there is between the

**application** programs of a single **user** group. 217 ... **Virtual Machine Environment** ...

Cited by 12 - Related Articles - Web Search

**Efficient software-based fault isolation - group of 4 »**

R Wahbe, S Lucco, TE Anderson, SL Graham - Proceedings of the fourteenth ACM symposium on Operating ..., 1994 - portal.acm.org

... distrusted modules from corrupting **application** data. Such fault **isolation** services

also facilitate software de- ... icates for **user**-defined data types such as ...

Cited by 679 - Related Articles - Web Search - BL Direct

**Locales and beacons: efficient and precise support for largemulti-user virtual environments - group of 4 »**

JW Barrus, RC Waters, DB Anderson - **Virtual Reality Annual International Symposium**, 1996., ... -

ieeexplore.ieee.org

... goal is the creation of **Multi-User** Inter- active ... In particular, we seek to create

**virtual** worlds featuring: multiple, **application** 4 . [ **application** ...

Cited by 103 - Related Articles - Web Search

**Bricks: Laying the Foundations for Graspable User Interfaces - group of 16 »**

GW Fitzmaurice, H Ishii, W Buxton - Proceedings of the SIGCHI conference on Human factors in ..., 1995 -

alias.com

... Bricks can be unaware (work in **isolation**); mutually aware ... **FIGURE 3**. Move and rotate

**virtual** object by manipulating ... A simple example **application** may be a floor ...

Cited by 337 - Related Articles - View as HTML - Web Search - BL Direct

**AVM: Application-level virtual memory - group of 18 »**

DR Engler, SK Gupta, MF Kaashoek - Proceedings of the 5th Workshop on Hot Topics in Operating ..., 1995 -

doi.ieeecomputersociety.org

... can create light-weight fault **isolation** do- mains ... Aegis checks which segment the

**virtual** address resides in ... exception is forwarded directly to the **application**. ...

Cited by 36 - Related Articles - Web Search

**Tools for the development of application-specific virtual memory management - group of 5 »**

K Krueger, D Loftesness, A Vahdat, T Anderson - ACM SIGPLAN Notices, 1993 - portal.acm.org

... In this na!-, the n2rchnnisr22. necessary t,o implement **virtual** memory are

separat,ed from the **application** specific Aicy implemented at the **user** level. ...

Cited by 59 - Related Articles - Web Search - Library Search - BL Direct

**From virtualized resources to virtual computing grids: the In-VIGO system - group of 8 »**

S Adabala, V Chadha, P Chawla, R Figueiredo, J ... - Future Generation Computer Systems, 2005 - Elsevier  
... resources; **virtual** machines provide **isolation**, resource integrity ... as a single unified  
**application**; **virtual** networks allow ... of a specific grid **application** or **user** ...  
Cited by 33 - Related Articles - Web Search

Xen and the Art of Virtualization - group of 2 »

B Dragovic, K Fraser, S Hand, T Harris, A Ho, I ... - Proceedings of the ACM Symposium on Operating Systems  
..., 2003 - citeseer.ist.psu.edu  
... and performance in the Denali **isolation** kernel - Whitaker ... 2002 26 AVM: **Application**-  
level **virtual** ... 13 Multitasking without compromise: a **virtual** machine evolution ...  
Cited by 66 - Related Articles - Cached - Web Search

Spatial perception in **virtual** environments: Evaluating an architectural **application** - group of 4 »

D Henry, T Furness - **Virtual** Reality Annual International Symposium, 1993., 1993 ..., 1993 -  
ieeexplore.ieee.org  
... wrs: EVALUATING AN ARCHITECTURAL **APPLICATION** D,4iTIEL ... considered the "fully immersive"  
**virtual** environment ... Monitor condition include: total **isolation** of the ...  
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**All Results**

- [D Engler](#)  
[M Kaashoek](#)  
[J O'Toole](#)  
[A Grimshaw](#)  
[G Banga](#)
- Exokernel: an operating system architecture for application-level resource management** - group of 76 »  
DR Engler, MF Kaashoek, JO'Toole Jr - Proceedings of the fifteenth ACM symposium on Operating ..., 1995 - portal.acm.org  
... to define specialized IPC primitives because **virtual** memory and ... many of the hardware **resources** in microker ... be bypassed or tailored to **application**-specific needs ...  
Cited by 672 - Related Articles - Web Search - BL Direct

**Application isolation in the Java Virtual Machine** - group of 5 »

G Czajkowski - Proceedings of the 15th ACM SIGPLAN conference on Object- ..., 2000 - portal.acm.org  
... An example is the K **Virtual** Machine (KVM) [19]. ... **Isolation** alone does not prevent denial-of-service attacks. To some extent, **resources** can be controlled through ...  
Cited by 42 - Related Articles - Web Search - BL Direct

**A case for grid computing on virtual machines** - group of 11 »

RJ Figueiredo, PA Dinda, JAB Fortes - Distributed Computing Systems, 2003. Proceedings. 23rd ..., 2003 - ieeeexplore.ieee.org  
... Security and **isolation**: The ability to share **resources** is a ... conversely, the integrity of the **resource** may be ... are implemented across the **virtual** machine monitor ...  
Cited by 112 - Related Articles - Web Search - BL Direct

**Processes in KaffeOS: Isolation, Resource Management, and Sharing in Java** - group of 12 »

G Back, WC Hsieh, J Lepreau - usenix.org  
... from each other, or limit their **resource** consumption. ... if it were run in its own **virtual** machine, including ... lay in balancing the goals of **isolation** and **resource** ...  
Cited by 133 - Related Articles - Cached - Web Search

**Resource containers: A new facility for resource management in server systems** - group of 29 »

G Banga, P Druschel, JC Mogul - Proceedings of the 1999 USENIX/ACM Symposium on Operating ..., 1999 - cs.columbia.edu  
... units of **isolation** and **resource** consumption are identical, and the process abstraction suffices. Figure 4 shows a mostly **user-mode application**, using one ...  
Cited by 394 - Related Articles - View as HTML - Web Search - BL Direct

**Xen and the Art of Virtualization** - group of 2 »

B Dragovic, K Fraser, S Hand, T Harris, A Ho, I ... - Proceedings of the ACM Symposium on Operating Systems ..., 2003 - citeseer.ist.psu.edu  
... and performance in the Denali **isolation** kernel - Whitaker ... 1999 15 Memory **resource** management in ... 13 Multitasking without compromise: a **virtual** machine evolution ...  
Cited by 66 - Related Articles - Cached - Web Search

**The Legion vision of a worldwide virtual computer** - group of 10 »

AS Grimshaw, WA Wulf - Communications of the ACM, 1997 - portal.acm.org  
... solutions, some quite good in **isolation** but generally ... allowing construction of shared **virtual** workspaces ... the users' data and physical **resources** are adequately ...  
Cited by 460 - Related Articles - Web Search

From virtualized resources to **virtual** computing grids: the In-VIGO system - group of 8 »  
S Adabala, V Chadha, P Chawla, R Figueiredo, J ... - Future Generation Computer Systems, 2005 - Elsevier  
... **virtual** machines provide **isolation**, **resource** integrity, legacy ... as a single unified  
**application**; **virtual** networks allow ... of a specific grid **application** or **user** ...  
Cited by 33 - Related Articles - Web Search

Scale and performance in the Denali **isolation** kernel - group of 25 »  
A Whitaker, M Shaw, SD Gribble - ACM SIGOPS Operating Systems Review, 2002 - portal.acm.org  
... pages, disk blocks, and all other **resources** should be ... the only sharing allowed is  
through the **virtual** network ... 1 and 2 are required to achieve strong **isolation**. ...  
Cited by 157 - Related Articles - Web Search - BL Direct

AVM: **Application**-level **virtual** memory - group of 18 »  
DR Engler, SK Gupta, MF Kaashoek - Proceedings of the 5th Workshop on Hot Topics in Operating ..., 1995 -  
doi.ieeecomputersociety.org  
... plications can create light-weight fault **isolation** do- mains ... The owner of a **resource**  
has the power both ... sup- port for bootstrapping the **virtual** naming system ...  
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